

*CHERTKOV, I.L.*

LEBUNJEVA, M.B.; CHERTKOV, I.L.

Effect of toxins elaborated by gas gangrene and tetanus bacteria  
on the activity of cholinesterase. Vop.med.khim. 3:148-156 '51.

(MIRA 11:4)

1. TSentral'nyy gosudarstvennyy nauchno-kontrol'nyy institut im.  
prof. Tarasovicha i Institut biologicheskoy i meditsinskoy khimii  
AMN SSSR, Moskva.

(CHOLINESTERASE) (TETANUS) (GANGRENE)

22  
The experimental study of ecmolin. Z. V. Ermol'eva,  
L. K. Vukodinskaya, A. E. Azletskaya, A. M. Rykaleva,  
and I. L. Chertkov. *Trudy Akad. Med. Nauk S.S.S.R. Antibiotiki i ikh primeneniye* 22, No. 1, 7-14 (1932).—Ecmo-  
lin obtained from fish is effective in vitro against *Micrococcus*  
*pyrogenus* var. *aureus*, streptococci, *Salmonella typhosa*, *S.*  
*paratyphi*, *S. schottmulleri*, *Vibrio comma*, *Bacillus subtilis*,  
and *Actinomyces*. In vivo it prevents the growth of Grippé  
virus (A). An aq. sol. of ecmolin resists 30 min. auto-  
claving at 1.5 atm. It also aids in clearing the organism of

dysentery-carriers of Flexner's bacilli. It acts as anti-  
histamine. A. S. Mirkin

(4)

CHERTKOV, I. I.

USSR/Medicine - Choline Esters Sep/Oct 53

"The Central Type of Action of Carbocholine and the Antagonism Between Carbocholine and Atropine,"  
I. I. Chertkov, Chair of Pharmacol, Minsk Med Inst

Farmakol i Toksikol, Vol 16, No 5, pp 16-20

In addition to its peripheral action, carbocholine (I) stimulates peristalsis of the intestine by acting on the central nervous system. This central action of I is applied mainly to the nuclei of the vagus nerves in the medulla oblongata. Atropine counteracts not only the peripheral action of I on the intestine, but also the central action of I resulting in increased peristalsis.

270747

CHERTKOV, I. [L.]

KOMENDANTOVA, M.; CHERTKOV, I.; MYAZDRIKOVA, A.

~~SECRET~~  
"Pharmacology" N.V.Vershinin. Reviewed by M.Komendantova. I.Chertkov.  
A.Miazdrikova. Farm. i toks. 17 no.3:60-62 My-Je '54. (MLRA 7:8)  
(PHARMACOLOGY)

CHERTKOV, L. D.

A study of the circulation of the proteins of curative serum by means of radioactive iodine (iodine 131). N. G. Belen'kiy, N. N. Krylova, L. L. Chertkov, and L. D. Zueva. Doklady Vsesoyuz. Akad. Sci. SSSR. Nauka in. V. I. Lenin 20, No. 4, 34-9 (1953).--The curative Belen'ki serum (IS) treated with radioactive I was tested on rabbits and dogs. After 48 hrs. the blood of dogs contained 30% of the original radioactivity. In rabbits only 13% was found.

J. S. Joffe

proteins were pptd. with 20%  $\text{CaCl}_2\text{CO}_3$ . The pptd. proteins were freed of lipides by extg. them with alc. for 20-24 hrs. and washing with alc. and ether and finally with ether only. When dry, the proteins were ground and radioactivity was detd. About 10% of the injected activity could be recovered after 24 hrs. The highest specific radioactivity was found in the kidneys, liver, small intestine, pancreas; the smallest in muscles, skin, and erythrocytes. The highest abs. quantities of radioactive methionine accumulated in the proteins of muscles, blood, and liver. The central nervous system had a rather small amt. of the methionine.<sup>5a</sup>

J. S. Jaffe

Erica R. L. L.

BELEN'KIY, N., akademik; KRYLOVA, N., kandidat biologicheskikh nauk;  
POZHARISKAYA, L., kandidat biologicheskikh nauk; CHERTKOV, I.,  
kandidat meditsinskikh nauk.

▲ substitute for donor blood. Mias.ind.SSSR 27 no.2:8-10 '56.

(MLRA 9:8)

**(BLOOD PLASMA SUBSTITUTES)**

CHERTKOV, I.L.

USSR/Human and Animal Physiology. Metabolism. Nutrition.

T-2

Abs Jour: Ref Zhur-Biol., No 12, 1958, 55322.

Author : Belen'kiy, N.G., Krylova, N.N., ~~Chertkov, I.L.~~  
Bazarova, K.I., Zuyeva, L.D., Sevost'yanov, B.A.,  
Kel'man, L.F.

Inst : All-Union Academy of Agricultural Sciences.

Title : The Influence of Thermal Treatment on the Assimilation  
of Meat Protein.

Orig Pub: Dokl. VASKhNIL, 1957, No 4, 23-29.

Abstract: During a period of 6 days, 26 rats of 180-200 gr  
body weight each, received daily 10 gr of beef  
meat with methionine-S<sup>35</sup> proteins. Seven control  
rats were given raw ground meat. Nine rats were  
fed ground meat which has been heated in an ultra-  
thermostate at 80° [C] for one hour, and 10 rats

Card : 1/2

CHERTKOV, Iosif L'vovich; ROZANOVA, N.S., red.; ZUYEVA, N.K., tekhn.red.

[Synthetic blood substitutes] Iskusstvennye zameniteli krovi.  
Moskva, Medgis, 1958. 113 p. (MIRA 12:7)  
(BLOOD PLASMA SUBSTITUTES)

<sup>24</sup>  
BAGDASAROV, A.A.; RUTBERG, R.A.; ~~CHERTKOV, I.L.~~; ROZENBERG, G.Ya.; RAUSHENBAKH,  
M.O., prof.

Studies on the properdin system [with summary in English, p.62].  
Probl.gemat. i perel.krovi 3 no.2:3-7 Mr-Ap '58. (MIRA 11:5)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya  
krovi (dir.-deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov)  
Ministerstva zdravookhraneniya SSSR.

(PROPERDIN,  
(Rus)

CHERTKOV, I.I.; ROGACHEVA, L.S.; SHEPSHELEVICH, L.L.

The effect of blood loss on properdin content in dogs. Probl. gemat.  
i perel. krovi 3 no.5:14-16 S-O '58. (MIRA 11:11)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya  
krovi (dir. - deystvitel'nyy chlen ANU SSSR prof. A.A. Bagdasarov)  
Ministerstva zdavookhraneniya SSSR.

(HEMORRHAGE, experimental

eff. on properdin titer in dogs, comparison of single  
& repeated hemorrh. (Rus))

(PROPERDIN, physiology

titer in dogs after single & repeated hemorrh. (Rus))

BAGDASAROV, A.A., prof.; CHERTKOV, I.I.; RAUSHENBAKH, M.O., prof.; SAMOYLINA, N.L.;  
SHERMET, Z.I.

Properdin system in acute radiation sickness. Med. rad. 4 no.4:  
3-10 Ap '59. (MIRA 12:7)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya  
krovi. 2. Deystvitel'nyy chlen AMN SSSR (for Bagdasarov).

(PROPERDIN,

in radiation sickness in animals (Rus))

(ROENTGEN RAYS, eff.

acute radiation sickness on properdin system in  
animals (Rus))

CHERTKOV, I.L.; SAMOYLINA, N.L.

Simplified methods of obtaining zymosan and the titration of properdin. Probl. gemat. i perel. krovi 4 no.6:53-57 Je '59.

(MIRA 12:8)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov) Ministerstva zdoravookhraneniya SSSR.

(PROPERDIN, determ.

titration method using zimozan (Rus))

CHERTKOV, I.L.

Properdin system in radiation sickness; survey of the literature.  
Med.rad. 4 no.10:75-78 O '59. (MIRA 13:2)  
(RADIATION INJURY physiol.)  
(PROPERDIN)

MURAZIAN, R.I.; CHERTKOV, I.L.

Activity of the properdin system in burns. Khirurgia 36 no. 5:77-81  
My '60. (MIRA 14:1)

(PROPERDIN) (BURNS AND SCALDS)

CHERTKOV, I. L., *Data for* Doc MED SCI, ~~"MATERIAL ON"~~ THE STUDY OF  
THE PROPERDINOVAYA SYSTEM OF THE ORGANISM." MOSCOW, 1961.  
(ACAD MED SCI USSR). (KL-DV, 11-61, 226).

-234-

KOPTSIOVSKAYA, L.S., kand.med.nauk; CHERTKOV, I.L.

Activity of the properdin system in surgery on the abdominal  
organs. Khirurgiia no.10:124-128 '61. (MIRA 14:10)

1. Iz 4-y khirurgicheskoy kliniki (zav. - prof. P.I. Androsov)  
Moskovskogo gorodskogo nauchno-issledovatel'skogo instituta skoroy  
pomoshchi imeni N.V. Sklifosovskogo (dir. - zasluzhennyy vrach  
USSR M.M. Tarasov, glavnyy khirurg - chlen-korrespondent AMN SSSR  
zasluzhennyy deyatel' nauki prof. B.A. Petrov) i Tsentral'nogo  
ordena Lenina instituta gematologii i perelivaniya krovi (dir. -  
deystvitel'nyy chlen AMN SSSR prof. A.A. Bagdasarov [deceased]).  
(ABDOMEN--SURGERY) (PROPERDIN)

RAUSHENBAKH, M.O.; SUKYASYAN, G.V.; KOZINETS, G.I.; TSESSARSKAYA, T.P.;  
NOVIKOVA, M.N.; KAZANOVA, L.I.; CHERNOV, G.A.; LAGUTINA, N.Ia.;  
CHERTKOV, I.L.

Mechanism of action of the transplantation of bone marrow in  
irradiated dogs and monkeys. Probl. gemat i perel. krovi 6  
no.2:12-20 '61. (MIRA 14:1)  
(MARROW—TRANSPLANTATION) (RADIATION SICKNESS)

CHERTKOV, I. L.

105. Decreased Properdin Level a Specific Symptom of Acute Radiation Sickness and Intensive Tissue Destruction

"Concerning the Mechanism of a Decreased Blood Properdin Level in Acute Radiation Sickness," by I. L. Chertkov and Z. I. Sheremet, Central Order of Lenin Institute of Hematology and Blood Transfusion; Moscow, Meditinskaya Radiologiya, Vol 6, No 3, Mar 61, pp 30-35.

BAGDASAROV, A.A.; CHERTKOV, I.L.; POLUSHINA, T.V.

Effect of different dextran preparations on the survival of  
mice with acute radiation injury. Radiobiologiya 2 no.1:  
128-133 Ja '62 (MIRA 18:1)

FAYNSHTEYN, F.E.; CHERIKOV, I.L.

Activity of the properdin system in aplastic and hypoplastic anemias. Probl.gemat.i perel.krovi no.5:16-20 '62.

(MIRA 15:8)

1. Iz gematologicheskoy kliniki (zav. - prof. M.S. Dul'tsin) i radiobiologicheskoy laboratorii (zav. - prof. M.O. Raushenbakh) Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - dotsent A.Ye. Kiselev) Ministerstva zdravookhraneniya SSSR.

(PROPERDIN)

(ANEMIA)

CHERTKOV, I.L.; OSECHENSKAYA, G.V.

Activity of the properdin system in leukemia. Probl.gemat.i  
perel.krovi no.7:11-16 '62. (MIRA 15:9)

1. Iz radiobiologicheskoy laboratorii (zav. - prof. M.O. Raushen-  
bakh) i gematologicheskoy kliniki (zav. - prof. M.S. Dul'tsin)  
TSentral'nogo ordena Lenina instituta gematologii i perelivaniya  
krovi (dir. - dotsent A.Ye. Kiselev) Ministerstva zdravookhra-  
neniya SSSR.

(PROPERDIN)

(LEUKEMIA)

34753

S/205/62/002/001/004/010  
D268/D302

27.2400

AUTHORS: Bagdasarov, A.A. (Deceased), Chertkov, I.L., and  
Polushina, T.V.

TITLE: The effect of different dextran preparations on the  
survival of mice with severe radiation sickness

PERIODICAL: Radiobiologiya, v. 2, no. 1, 1962, 128 - 133

TEXT: The effect was studied of native dextran and 5 dextran preparations (nos. 1 - 5) differing in structure and molecular weight in white mice of both sexes (weight 18 - 22 g) exposed to x-ray radiation at a dose of 700 r. Tests were made to determine: 1) The effect of survival and life duration over 30 days; 2) Antitumoral action in animals with entwined sarcoma 37 implanted subcutaneously followed by intravenous injection of dextran after 6 days, slaughtering 18 - 20 hours later, and microscopic examination to determine the presence of hemorrhagic necroses in the body of the tumor; and 3) The effect on properdin titer at different periods after dextran in 5 mice slaughtered at each examination, and proper-

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The effect of different dextran ...

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D268/D302

din content determined in mixed blood from the complete kill. Native dextran producing "Leuconostoc mesenteroides" strain SP-4 was purified by repeated ethanol precipitation and 5 preparations derived by partial hydrolysis with hydrochloric acid and ethanol fractionation. Injection was intravenous in 0.2 ml. physiologic saline 24 hours before irradiation. Results showed that preparation no. 1 (molecular weight  $1.5 - 3 \cdot 10^6$  and 95 % alpha 1,6 linkage) reduced life duration, the other dextrans having no specific effect. The prophylactic effect of dextran preparation no. 1 (doses 1 - 200 mg/kg 24 hours before irradiation) in serious radiation sickness showed a marked increase in survival at 1 and 10 mg/kg, and some protection at 50 mg/kg, but there was no statistically confirmed effect on life duration. Native dextran and preparation no. 1 injected intravenously reduced the properdin level in the blood, with maximum usually at 24 hours for the former, and 2 hours for the latter. Results showed that hydrolysis of dextran within specific limits has no adverse effect on its ability to increase animal radioresistance, and in serious radiation sickness preparation no. 1 had a very pronounced protective action, and is suitable for further

Card 2/3

The effect of different dextran ...

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D268/D302

study. There are 7 figures and 22 references: 5 Soviet-bloc and 17 non-Soviet-bloc. The 4 most recent references to the English-language publications read as follows: A. Forsberg, and G. Lingen, Exptl. Cell Res., 16, 7, 1959; A. Wardlaw and L. Pillemer, J. Immunol., 82, 813, 1959; D. Bohme and R. Dubos, J. Exptl. Med., 107, 523, 1958; G. Lingen and L. Eruster, Exptl. Cell Res., 16, 384, 1959.

ASSOCIATION: Tsentral'nyy institut gematologii i perelivaniya krovi,  
Moscow (Central Institute for Hematology and Blood  
Transfusion, Moscow)

SUBMITTED: February 1, 1961

Card 3/3

MURAZYAN, R.I., kand.med.nauk; CHERTKOV, I.L., kand.med.nauk (Moskva)

Role of the properdin test in evaluating the body's reaction to  
burn trauma. Klin.med. 40 no.10:33-35 O '62. (MIRA 15:12)

1. Iz TSentral'nogo ordena Lenina instituta gematologii i  
perelivaniya krovi (dir. - dotsent A.Ye.Kiselev).  
(PROPERDIN) (BURNS AND SCALDS)

GARFUNKEL', M.L.; CHERTKOV, I.L.

Activity of the properdin system in acute hemorrhage. Biul. eksp. biol. i med. 54 no.8:26-30 Ag '62.

(MIRA 17:11)

1. Iz patofiziologicheskoy (zav. - chlen-korrespondent AMN SSSR prof. N.A. Fedorov) i radiobiologicheskoy (zav. - prof. M.O. Raushenbakh) laboratoriy TSentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir. - deystvitel'nyy chlen AMN SSSR A.A. Bagdasarov [deceased]), Moskva. Predstavlena deystvitel'nyy chlenom AMN SSSR N.A. Krayevskim.

IYERUSALIMSKIY, A.P.; CHERTKOV, I.L.

Activity of the properdin system in tick-borne encephalitis.  
~~Shur.~~ nevr. i psikh. 62 no.3:344-346 '62. (MIRA 15:3)

1. Kafedra nervnykh bolezney (zav. - prof. D.T. Kuimov)  
Novosibirskogo meditsinskogo instituta i laboratoriya radio-  
biologii (zav. - prof. M.O. Raushenbakh) Tsentral'nogo ordena  
Lenina instituta gematologii i perelivaniya krovi (dir. - prof.  
A.A. Bagdasarov).

(ENCEPHALITIS) (PROPERDIN)  
(TICKS AS CARRIERS OF DISEASE)

I 15287-65 EWG(j)/EWT(m) Pb-4 SSD/AFWL/AMD  
ACCESSION NR: AR4045857 S/0299/64/000/014/M021/M021

SOURCE: Ref. zh. Biologiya. Svodnyy tom, Abs. 14M139

AUTHOR: Chertkov, I. L.; Sukyasyan, G. V.; Novikova, M. N.;  
Rozacheva, L. S.; Shepshelovich, L. L.; Maksimenko, A. S.; Naumen-  
bakh, M. O.

TITLE: New data on the morphological basis of secondary sickness  
with bone marrow transplantation in irradiated dogs

CITED SOURCE: <sup>19</sup>Sb. 3 Vses. konferentsiya po peresadke tkaney i  
organov, 1963. Yerevan, 1963, 243-244

TOPIC TAGS: secondary sickness, bone marrow, transplantation, dog,  
irradiation, irradiation lethal dose, radiation sickness

TRANSLATION: The experiment was staged on 23 dogs irradiated with a  
lethal dose (1,000 r). Bone marrow was introduced intravenously in  
a dose of  $5 \times 5 \times 10^9 - 15 \cdot 10^9$  nuclear cells. Donor erythrocytes  
were determined by differential agglutination using dogs A- as donors  
and dogs A+ as recipients. Leukocytes were determined by sex

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1 15287-65

ACCESSION NR: AR4045857

chromation (donors - females, recipients - males). To determine the activity of immunologically competent cells, the donors were immunized with a pure Vi-antigen of typhoid bacilli and the Vi-antigen was determined in the recipients. A myelogram investigation showed that aplasia and hypoplasia appear in 2 to 3 days, and the bone marrow is partially restored in 4 to 5 days. From the 6th day donor erythrocytes also appear. From the seventh day hyperbasophilic myelocytes appear, which are regarded as transitional forms. The number of myelocytes sharply reaches its maximum on the 8th day. Erythrocytes and leukocytes hyperplasia typical for the 10th day. The material for transformation of blood formation was determined by antigen differences between donor and recipient. The conclusion is drawn that secondary sickness is caused by the transformation of basic blood-forming cells into immunologically competent ones.

SUB CODE: LS

ENCL: 00

Card 2/2

CHERTKOV, I.L.; SUKYASYAN, G.V.; NOVIKOVA, M.N.; RAUSHENBAKH, M.O.

Some immunological data on the fate of bone marrow trans-  
planted to totally irradiated dogs. Pat.fiziol. 1 eksp.  
terap. 7 no.2:9-14 Mr-Ap'63. (MIRA 16:10)

1. Iz Tsentral'nogo ordena Lenina instituta gematologii i  
perelivaniya krovi (dir. - deystvital'nyy chlen AMN SSSR  
prof. Bagdasarov [deceased])  
(RADIATION SICKNESS) (MARROW—TRANSPLANTATION)  
(PROPERDIN)

CHERTKOV, I.L., doktor med. nauk

"Handbook on pharmacology", Vols. 1 and 2. Reviewed by I.L.  
Chertkov. Pat. fiziol. eksp. ter. 7 no.5:93-94 S-0'63

(MIRA 17:2)

SHAKHTMEYSTER, I.Ya., kand.med.nauk; CHERTKOV, I.L., kand.med.nauk;  
KARPUSHKIN, V.P.

State of the properdin system in patients with syphilis. Vest.  
derm. i ven. 37 no.1:62-65 Ja'63. (MIRA 16:10)

1. Iz kafedry kozhnykh i venericheskikh bolezney (zav.-chlen  
korrespondent AMN SSSR prof. V.A.Rakhmanov) i Moskovskogo  
ordena Lenina meditsinskogo instituta i radiobiologicheskoy  
laboratorii (zav. - prof. M.O.Raushenbakh) Tsentral'nogo  
instituta gematologii i perelivaniya krovi.  
(SYPHILIS) (PROPERDIN)

CHERTKOV, I.L.

Quantitative method for the differential agglutination of erythrocytes in dogs using the anti-A test serum and anti-globulin serum. Pat. fiziol. i eksp. terap. 8 no.4:69-71 J1-Ag '64. (MIRA 18:2)

1. Radiobiologicheskaya laboratoriya (zav.- prof. M.O. Raushenbekh) Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (dir.- dotsent A.Ye. Kiselev), Moskva.

CHERTKOV, I.L.; NOVIKOVA, M.N.; ROGACHEVA, L.S.; SHEPSHELEWICH, I.L.,  
MAKSIMENKO, A.S.; RAUSHENBAKH, M.O.

Transformation of hemopoietic cells of transplanted allogeneous  
bone marrow into immunologically competent cells in irradiated  
dogs. Med. rad. 8 no.6:51-60 Je '63. (MIRA 17:4)

1. Iz radiobiologicheskoy laboratorii (zav. - prof. M.O. Raushenbakh)  
TSentral'nogo ordena Lenina instituta gematologi i perelivaniya  
krovi.

L 8421-65 EWG(j)/EWT(m)/K/AR Pa-4 APWL/SSD/AMT  
ACCESSION NR: AP4040831 S/0241/64/009/006/0008/0019

AUTHOR: Chertkov, I. I.  
Maksimenko, A. S.; Novikova, M. N.; Raushenbakh, M. O. (Professor,  
Head of radiobiological laboratory) 8

TITLE: Lymphoid transformation of hemopoiesis with bone marrow  
transplantation in irradiated dogs

SOURCE: Meditsinskaya radiologiya, v. 9, no. 6, 1964, 8-19

TOPIC TAGS: hemopoiesis, transformation, bone marrow transplant,  
bone marrow hemopoiesis, radiation injury, cortisone therapy, blood  
transfusion, lymphocyte, delayed bone marrow transplant, blood count

ABSTRACT: The prevention of lymphoid transformation of hemopoiesis  
in allogeneous bone marrow transplants was investigated in  
superlethally irradiated animals in two experimental series. In the  
first series, two groups of dogs were X-irradiated with a 1000 r dose  
over 2 days (500 r each day). The first group of animals received  
intramuscular cortisone (5 mg/kg dose) injections on the second day  
of irradiation and received a bone marrow transplant on the following

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ACCESSION NR: AP4040831

0

day. Cortisone treatment (5 mg/kg dose daily) was continued for animals of this group until day of death. The second group of animals was given a blood transfusion (100 ml) in place of a bone marrow transplant and no cortisone. The number of lymphocytes in the transfused blood corresponded to the number in the bone marrow transplant. In the second experimental series, dogs were X-irradiated with a 1000 r dose over 2 days (500 r each day) and received a bone marrow transplant only on the 4th or 5th day after irradiation and no cortisone treatment. Hemograms and myelograms based on daily differential blood counts were plotted for animals of both experimental series. Results show that cortisone does not prevent the transformation of hemopoietic cells into lymphocytes. The blood transfusions produce different effects than the bone marrow transplants: the lymphocytes are transformed into hyperbasophilic cells in the lymphoid tissue rather than in the hemopoietic tissue, the number of hyperbasophilic cells is considerably smaller, and the hyperbasophilic cells take longer to develop. With a 4 to 5 day delay, bone marrow transplants prevented hemopoiesis transformation in animals, possibly by ensuring blood formation at the critical moment of the period necessary to restore hemopoiesis in the recipient. Bone

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L 8421-65  
ACCESSION NR: AP4040831

marrow transplantation in humans should be delayed by at least 5 to 7 days after irradiation because the radiation sickness latent period in humans is more prolonged than in dogs. The protective action mechanism of delayed bone marrow transplantation in irradiated animals is not clearly understood at this time. Orig. art. has 7 figures.

ASSOCIATION: Radiobiologicheskaya laboratoriya Tsentral'nogo ordena Lenina instituta gematologii i perelivaniya krovi (Radiobiological Laboratory of the Central Lenin Order Institute of Hematology and Blood Transfusions)

SUBMITTED: 16Jul63

ENCL: 00

SUB CODE: LS

NR REF SOV: 001

OTHER: 012

Card 3/3

L 55041-65 EWT(m)/ENG(j)

ACCESSION NR: AP5014299

UR/0241/65/010/006/0034/0042

616-001.28-036.17-085.361.018.46]-092.9.1

AUTHOR: Chertkov, I. L.; Rogacheva, I. S.; Shepshelovich, L. L.; Raushenbakh, M. O.

TITLE: Two-stage transplantation of allogenic bone marrow in severe experimental radiation sickness 19

SOURCE: Meditsinskaya radiologiya, v. 10, no. 6, 1965, 34-42

TOPIC TAGS: radiation sickness, bone marrow, hemopoiesis, transplantation, irradiation

ABSTRACT: The authors studied the effect on dogs of two-stage transplantation on bone marrow. The first was applied after whole-body irradiation (100 r) and the second 5-8 days after the first, on the assumption that the first transplantation would help the animals survive until the second took effect. The first was not therapeutic and the hemopoietic cells did not change into immune lymphocytes. The second transplantation "took" and the recipient animals' hemopoiesis was partly compensated. Two of 14 experimental dogs survived. The donor animals' cells were

Card 1/2

27023-00 ENI (M)

ACC NR: AP6018370

SOURCE CODE: UR/0241/66/011/001/0042/0047

AUTHOR: Chertkov, I. L.; Maksimenko, A. S.; Novikova, M. N.; Raushenbakh, M. O. 35 B

ORG: Section of Radiology/headed by Doctor of Medical Sciences F. E. Faynshteyn/  
Central Order of Lenin Institute of Hematology and Blood Transfusion, Moscow  
(Radiologicheskoye otdeleniye Tsentral'nogo ordena Lenina Instituta gematologii i  
perelivaniya krovi)

TITLE: Effect of the transplantation of bone marrow on the immunological transformation  
of hemopoiesis in dogs with acute radiation sickness 19

SOURCE: Meditsinskaya radiologiya, v. 11, no. 1, 1966, 42-47

TOPIC TAGS: bone marrow, dog, hematopoiesis, radiation biologic effect, radiation  
sickness, blood, immunology

ABSTRACT: Previous experiments established that when allogeneous  
bone marrow is transplanted to dogs irradiated with doses of 1,000  
r, the infused hemopoietic cells are transformed into lymphocytes,  
the normal hemopoiesis of the transplant is not retained, and the  
dogs die. The experiments described were conducted for the purpose  
of preventing the transformation of the transplant into lymphoids.  
Twenty-four nonbred dogs, 15-20 kilograms in weight, were used in  
the experiments. Six of the animals were used as bone marrow donors,  
three, as controls irradiated only, 15 of the animals were admin-  
istered bone marrow on the day after their irradiation with 1,000  
r. All of the animals developed aplasia of hemopoiesis; death was

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UDC: 616.46-089.843-06:616-008.9-097.3-085.849

I. 27623-66

ACC NR: AP6018370

caused by a hemorrhagic syndrome. Attempts were made also to arrest the transformation of the bone marrow cells into lymphocytes by the administration of a standard bacterial pyrogen from *Shigella dysenteriae* in the dose of 2 micrograms. All of the animals died within 6, 8, and 11 days after the irradiation. Neither was the administration of the donors' hemopoietic cells incubated at a temperature of 37 degrees for a period of two hours successful in saving the irradiated dogs: the animals died within 10 and 12 days after the irradiation. Three of the dogs were given 6-mercaptopurine in doses of 25 milligrams per kilogram body weight 2 and 5 days prior to the irradiation. A day after the irradiation, bone marrow in quantities of  $8.4 \cdot 10^9$  cells was infused into the animals. Acute radiation sickness developed in the dogs and all died within 4.5-5 days after the irradiation. Thus, all of the attempts to prevent the death of the animals by the administration of allogeneous bone marrow on a background of irradiation with 1,000 r were unsuccessful. This reaction can be somewhat reduced by postponing bone marrow transfusion for 4-5 days after the irradiation. Orig. art. has: 2 figures. [JPRS]

SUB CODE: 06 / SUBM DATE: 15Jul64 / ORIG REF: 001 / OTH REF: 001

Card 2/2

CHERTKOV, I.N. (g. Tushino Moskovskoy obl.)

Experiments with macromolecular compounds (polymers). Khim. v  
shkole 14 no.1:47-53 Ja-F '59. (MIRA 12:2)  
(Macromolecular compounds)

TAL'KOVSKIY, G.B.; CHERTKOV, I.N. (g.Moskva)

Simple methods for recognizing certain plastics. Khim. v  
shkole 14 no.2:75-78 Mr-Apr '59. (MIRA 12:4)  
(Plastics)

CHERTKOV, I.N. (MOSKVA); TETERIN, M.L. (Moskva)

Preparation of capron resin from caprolactam. Khim.v shkole  
15 no.1:65-67 Ja-F '60. (MIRA 13:5)  
(Hexamethyleneimine) (Hylon)

CHERTKOV, I.N.

~~CHERTKOV, I.N.~~  
"Study of polymers in the secondary school" by L.A.TSvetkov. Reviewed  
by I.N.Chertkov. Khim. v shkole 15 no.5:86-88 S-O '60.

(MIRA 13:10)

(Polymers--Handbooks, manuals, etc.)  
(TSvetkov, L.A.)

CHERTKOV, Izrail' Naumovich; KOROTKIY, A.A., red.; GREYS, I.G.,  
tekhn. red.

[Experiment on polymers in secondary schools; handbook for  
teachers] Eksperiment po polimeram v srednei shkole; posobie  
dlia uchitelei. Moskva, Gos. uchebno-pedagog. izd-vo M-va  
prosv. RSFSR, 1961. 117 p. (MIRA 15:4)  
(Polymers)

CHERTKOV, I.N.

Determining the molecular weight of polymers during extracurricular studies. Khim. v shkole 16 no.5:73-76 S-0 '61.

(Polymers) (Chemistry--Study and teaching) (MIRA 14:9)

CHERTKOV, I.N.

Conducting polymerization experiments during the study of  
polymers in secondary schools. Khim. v shkole 17 no.5:  
66-70 S-O '62. (MIRA 15:9)  
(Polymerization) (Chemistry—Experiments)

CHERTKOV, I.N., uchitel'

Conducting practical work in organic chemistry. Khim. v shkole  
18 no.3:44-50 My-Je '63. (MIRA 16:9)

1. Srednyaya shkola No.315, Moskva.  
(Chemistry, Organic—Experiments)

ANGELOVA, V. (Sofiya); CHERTKOV, I.N. (Moskva)

Experiments on the formation of polymer materials. Khim. v  
shkole 18 no.4:68-71 J1-Ag '63. (MIRA 17:1)

ACC NR: AR6035231

SOURCE CODE: UR/0372/66/000/008/G017/G018

AUTHOR: Zenkin, V. I.; Savin, O. R.; Chertkov, I. Ya.; Postoy, V. A.

TITLE: Designing a computer of an extremal regulator for heat processes

SOURCE: Ref. zh. Kibernetika, Abs. 8G107

REF SOURCE: Pribory i ustroystva sredstv avtomatiki i telemekhan. Resp. mezhved. nauchno-tekhn. sb., vyp. 1, 1965, 99-108

TOPIC TAGS: heat regulation, computer, extremal heat regulator

ABSTRACT: Systems of extremal regulation are investigated which consist of:  
1) a nonlinear inertialess element whose input value  $x$  (regulating action) and output value  $y$  (static value of extremum—EV) are coupled by the equation

$$y = F[x, a(t), b(t), \dots, e(t)],$$

where  $a(t), b(t), \dots, e(t)$  are the variable parameters which determine the extremum static characteristic; 2) a linear element whose input value  $y$  and output

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UDC: 62-506

ACC NR. AR6035231

value  $\theta$  (current value of EV) are coupled by the differential equation

$$a_n \frac{d^n \theta}{dt^n} + \dots + a_1 \frac{d\theta}{dt} + \theta = b_0 u;$$

3) a pickup unit for measuring the current value of EV; and 4) a step-type extremal regulator. To decrease the influence of linear element inertia, a static value of EV is introduced in the logic element of the extremal regulator, i. e., a regulation law is constructed in the form

$$\Delta x_{n+1} = \alpha \operatorname{sign} \Delta y_n \operatorname{sign} \Delta x_n,$$

where  $\Delta y_n$  is the increment of the value of EV. For the case when transients in the linear part of the object of regulation and in the pickup unit are described by differential equations of the first order, an algorithm of the operation of the extremal regulator computer is derived. It is shown that the value of  $\operatorname{sign} \Delta y_n$  required for realizing the regulation law can be calculated on the basis of signal increments at the pickup output. A computer circuit which uses summing transformers with a phase-sensitive amplifier is described. To improve the noise immunity of the extremal regulation system, it is necessary to calculate the increment of EV on the basis of the increments of the signal from the pickup which

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ACC NR: AR6035231

must be averaged per regulation cycle. The paper has four illustrations and a bibliography of 10 titles. [Translation of abstract] [DW]

SUB CODE: 09/

Card 3/3

CHERTKOV I. Ya.

SOV/124-57-8-9391

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 8, p 119 (USSR)

AUTHOR: Chertkov [Chertkov, Y. Ya.]

TITLE: The Influence Function of an Elastically Supported Vibrating Beam  
(Funktsiya vliyaniya koleblyushchegosya sterzhnya na uprugikh  
oporakh) in Ukrainian

PERIODICAL: Nauk. zap. Sums'k. derzh. ped. un-t, 1956, Vol 1. pp 53-61

ABSTRACT: Bibliographic entry

Card 1/1

CHERTKOV, I.Ya.

BARYBIN, K.S. (Moskva); GOLUB, A.M. (Sunny); CHERTKOV, I.Ya. (Sunny);  
BEKKER, M.B. (Tallin).

"Trigonometry textbook" by S.I. Novoselov. Reviewed by K.S. Barybin  
and others. Mat.v shkole no.5:65-87 S-0 '57. (MLRA 10:9)  
(Trigonometry--Textbooks) (Novoselov, S.I.)

CHERTKOV, I.Ya; GOLUB, A.M. (Smy)

"Teaching methods of mathematics" edited by S.E. Liapin. Part 2.  
Reviewed by I.Ia. Chertkov and A.M. Golub. Mat. v shkole no.5:79-83  
S-0 '58. (MIRA 11:10)

(Mathematics--Study and teaching)  
(Liapin, S.E.)

SHVETSOV, K.I. (Kiyev); ~~CHERTKOV, I.Ya.~~ (Sumy)

Conference devoted to the relationship between the teaching of  
mathematics and labor education and industrial teaching. Mat.  
v shkole no.4:93-95 J1-Ag '60. (MIRA 13:9)  
(Mathematics--Congresses)

SAVIN, O.R. (Sunny); CHERTKOV, I.Ya. Sunny)

Determination of an optimizing control indicator and the algorithm  
of the computer system of an optimizing controller of inertial  
members. Avtom tyka 10 no.1:26-34 '85.

(MIRA 18:6)

BREDIKHIN, B.P.; SOLOD, B.A., master; CHERTKOV, I.Ye., pomoshchnik  
mastera; SHAMANOV, I.G., prepododavatel'; KVASHIN, V.V.,  
prepodavatel'.

"Design and repair of diesel locomotives" by A.A.Poldo, I.G.  
Kokoshinskii. Reviewed by: B.P.Bredikhin and others. Elek.i  
tepl.tiaga 3 no.9:p.3 of cover S '59. (MIRA 13:2)

1. Priyemshchik Glavnogo upravleniya lokomotivnogo khozyaystva  
Ministerstva putey soobshcheniya (for Bredikhin). 2. Depo  
Rtishchevo II, Privolzhskaya doroga (for Bredikhin, Solod,  
Chertkov). 3. Shkola mashinistov, stantsiya Penza, Kuybyshev-  
skaya doroga (for Shamanov, Kvashin).

(United States--Diesel locomotives)

(Poldo, A.A.) (Kokoshinskii, I.G.)

GLEYZER, A., inzhener-ekonomist; CHERTKOV, K., inzhener-ekonomist

Development of mixed transportation is an important factor for  
the continued expansion of river transportation. Rech. transp.  
22 no.4:11-12 Ap '63. (MIRA 16:4)

(Transportation)

CHERTKOV, K.A.

Prospects for development of the Moscow water transport center.  
Gor.khoz.Mosk. 28 no.9:8-10 S '54. (MLRA 7:10)  
(Moscow--Harbors) (Harbors--Moscow)

CHERTKOV, K.A.

Useful book ("Transportation costs" by Sh.P.Blank. Reviewed by  
K.A.Chertkov). Rech.transp. 15 no.12:29-30 D '56. (MLRA 10:2)  
(Inland water transportation--Costs) (Blank, Sh.P.)

CHERTKOV, K.A., ekonomist.

Increase the quality of economic research for river transportation,  
Rech. transp. 16 no.4:13-16 Ap '57. (MLRA 10:5)  
(Inland water transportation) (Economic research)

Chertkov, K.A.

AKHMATOV, P.A.; CHERTKOV, K.A.

Correctly evaluate the comparative efficiency in the use of main  
kinds of transportation ("Methods of determining the economic  
efficiency of various kinds of transportation" parts I and II.)  
Rech.transp. 16 no.9:39-40 S '57. (MIRA 10:12)  
(Transportation--Costs)

CHERTKOV, K.A.

Greater efforts to attract freight to water transportation.  
Rech.transp. 16 no.10:12-13 0 '57. (MIRA 10:12)  
(Inland water transportation)

CHERTKOV, K.A.; POMERANTSEV, V.N.

Improve inland water transportation in the Astrakhan Economic Region.  
Rech.transp. 18 no.3:8-10 Mr ' 59. (MIRA 12:4)  
(Astrakhan Province--Inland water transportation)

CHERTKOV, K.

Useful manual ("Transportation in the U.S.S.R." by V.Povorozhenko  
and others. Reviewed by K.Chertkov). Rech.transp. 20 no.4:63-64  
Ap '61. (MIRA 14:5)

(Inland water transportation) (Povorozhenko, V.)  
(Kostenko, I.) (Makhotkin, N.) (Rumiantsev, S.)  
(Parakhonskii, B.) (Solov'ev, I.)

ACC NR: AP7003549

SOURCE CODE: UR/0241/67/012/001/0039/0091

AUTHORS: Rogozkin, V. D. (Moscow); Fedotov, V. P. (Moscow); Chertkov, K. S. (Moscow)

ORG: none

TITLE: The effect of small doses of glucocorticoids on severe radiation sickness

SOURCE: Meditsinskaya radiologiya, v. 12, no. 1, 1967, 89-91

TOPIC TAGS: radiation sickness, drug treatment, corticoid, corticosteroid, *gamma irradiation, radiation cell effect, anti-radiation drug*

ABSTRACT: Tests were conducted to determine the effect of small doses of glucocorticoids in cases of severe radiation sickness.. Female guinea pigs weighing 270—350 g were exposed to 300 r of  $\gamma$ -radiation at 3.5 r/sec from an EGO-2 cobalt apparatus. Test animals were given 25 mcg of prednizolon and 2.5 mcg of deksametazon orally once daily for 10 days beginning with the 4th day after irradiation. Examination of treated animals indicated a lower death rate compared with the control group (10% vs 20%), insignificant changes in the amount of 11-oxycorticosteroids in the blood (calculated according to a modified Popens method), a positive effect on hemopoiesis, and the presence of more leukocytes than in control animals. These tests support previous data on the appearance of hypercorticism during the period of greatest depression of hemopoiesis and indicate that small doses of glucocorticoids reduce the catabolic and lymphopenic effect which causes postradiation hypercorticism. Orig. art. has: 1 graph and 1 table. [04]

SUB CODE: 06/ SUBM DATE: 31Jan66 / ATD PRESS: 5117

Card 1/1

UDC: 615.361.453-015.31-06:617-001.28-036.11

CHERTKOV, Kh. A.

Plate-maker in shipbuilding Moskva, Izd-vo Ministerstva rechnogo flota SSSR, 1950.  
209 p. (51-27930)

VM147.045

CHERTKOV, Kh. A.

A manual on construction and maintenance of ship hulls and boilers Moskva, Izd-vo  
Ministerstva rechnogo flota SSSR, 1951. 218 p. (52-34588)

VM146.C5

CHERTKOV, Kh. A.

DOLGOLENKO, Pavel Valerianovich, kand.tekhn.nauk, dotsent; OSIPOVICH, F.A.,  
retsenzent; IOVLEV, V.M., retsenzent; CHERTKOV, Kh.A., red.;  
SHLENNIKOV, Z.V., red.; TSVETKOVA, S.V., tekhn.red.

[Ways of increasing labor productivity in machine shops] Puti  
povysheniia proizvoditel'nosti truda v mekhanicheskikh tsekhakh.  
Moskva, Izd-vo "Rechnoi transport," 1957. 76 p. (MIRA 11:1)  
(Machine-shop practice)

CHERTKOV, Khaim Ayzikovich; DOLGIY, A.G., retsenzent; SHORIN, D.M., red.;  
EBERLIN, K.Z., red.; KRASNAYA, A.K., tekhn.red.

[Manual on marine boilers and ship hulls] Posobie kotel'shchiku-  
sudokorpusniku. Izd.3-e, perer.i dop. Moskva, Izd-vo "Rechnoi  
transport," 1957. 199 p. (MIRA 11:1)  
(Hulls (Naval architecture)) (Boilers, Marine)

DMITROVSKIY, Arkadiy Nikolayevich; CHERNOV, M.I., retsentsent; CHERTKOV,  
Kh.A., red.; KAN, P.M., red.izd-va; YERMAKOVA, T.T., tekhn.red.

[Work organization at the repair and operation bases of the  
fleet] Organizatsiia raboty remontno-ekspluatatsionnykh baz  
flota. Moskva, Izd-vo "Rechnoi transport," 1959. 100 p.  
(MIRA 13:1)

(Ships--Maintenance and repair)

~~CHEBOKOV~~, Kh.A., otv. za vypusk; VITASHKINA, S.A., red.izd-va; YERMAKOVA,  
T.T., tekhn.red.

[Rules for the technical operation of the inland water transportation  
system of the R.S.F.S.R.] Pravila tekhnicheskoi ekspluatatsii rechno-  
nogo transporta RSFSR, Moskva, Izd-vo "Rechnoi transport," 1960.  
100 p. (MIRA 13:5)

1. Russia (1917- R.S.F.S.R.) Ministerstvo rechnogo flota.  
(Inland water transportation)

CHERTKOV, Kh.A., otv. za vypusk; VITASHKINA, S.A., red. izd-va;  
YERMAKOVA, T.T., tekhn. red.

[Regulations for the technical operation of the R.S.F.S.R.  
river transportation fleet] Pravila tekhnicheskoi ekspluatatsii  
rechnogo transporta RSFSR. Vvedeny v deistvie prikazom ministra  
rechnogo flota No.12 ot 29 ianvaria 1960.g. Moskva, Izd-vo  
"Rechnoi transport," 1961. 104 p. (MIRA 15:2)

1. Russia (1917- R.S.F.S.R.) Ministerstvo rechnogo flota.  
(Inland water transportation)  
(Ships--Maintenance and repair)

DUKOR, Zakhar Grigor'yevich; CHERTKOV, Khaim Ayzikovich; GUREVICH, Sh.M.,  
retsensent; KRASKOVSKIY, B.A., retsensent; CHERTKOV, K.A., red.;  
KAN, P.M., red. izd-va; BODROVA, V.A., tekhn. red.

[Technical, industrial, and financial plan of a ship repair  
enterprise] Tekhpromfinplan sudoremontnogo predpriatiia. Mo-  
skva, Izd-vo "Rechnoi transport," 1962. 238 p. (MIRA 16:5)  
(Ships--Maintenance and repair)

BENUA, F.F.; DUKOR, Z.G.; KLYUSHENKOV, I.S.; KONSTANTINOV, V.P.;  
KATLER, A.I.; MAYKOV, N.K.; PRAYSMAN, A.D.; SERGEYEV, V.I.;  
TRUFANOV, V.G.; FEDOROV, V.F.; FRUMIN, S.R.; ~~CHEBTKOV, Kh.A.~~  
SHIBANOV, B.V.; VATASHKINA, S.A., red.izd-va; CHERNOV, M.I.,  
red.; BODROVA, V.A., tekhn. red. ..

[Handbook on ship repairs in two volumes] Spravochnik po  
remontu sudov v dvukh tomakh. Pod obshchei red. M.I.Chernova.  
Moskva, Izd-vo "Rechnoi transport." Vol.2. 1963. 600 p.  
(Ships--Maintenance and repair) (MIRA 16:9)

BEZNUA, F.F.; DUKOR, Z.G.; KLYUSHENKOV, I.S.; KONSTANTINOV, V.P.;  
KOTLYAR, D.I.; MAYKOV, N.K.; PRAYSMAN, A.D.; SERGEYEV,  
V.I.; TRUFANOV, V.G.; FEDOROV, V.F.; FRUMIN, S.R.;  
CHERTKOV, Kh.A.; SHIBANOV, B.V.; CHERNOV, M.I., red.;  
VITASHKINA, S.A., red.izd-va; BODROVA, V.A., tekhn. red.

[Handbook on ship repairs in two volumes] Spravochnik po  
remontu sudov v dvukh tomakh. Pod obshchei red. M.I.  
Chernova. Moskva, Izd-vo "Rechnoi transport," Vol.1. 1963.  
550 p. (MIRA 16:12)

(Ships--Maintenance and repair)

(Marine engineering--Handbooks, manuals, etc.)

CHERTKOV, Khaim Ayzikovich; TOMPAKOV, S.L., retsenzent; ALEKSANDROV, V.A., retsenzent; KOMOGORTSEV, P.Ya., red.; KAN, P.M., red. izd-va; RIDNAYA, I.V., tekhn. red.

[Manual for marine boiler and ship hull building and repair workers] Posobie kotel'shchiku-sudokorpusniku. Moskva, Izd-vo "Rechnoi transport," 1963. 204 p. (MIRA 17:1)

GOLUBEV, N., kand.tekhn.nauk; STERLIN, Ye., kand.tekhn.nauk; FEOKTISTOV, M.; BREKHOV, A.; SIMAKIN, V.; KOZLOVA, L., tkachikha; NIKONOVA, K.; CHERTKOV, L.; SLUTSKIN, S.; MINAYEV, I., inzh.

Introducing a new organisation of work; letter to the editor. Tekst.prom. 19 no.12:18 D '59. (MIRA 13:3)

1. Direktor Novo-Tkatskoy fabriki Glukhovskogo kombinata imeni V.I.Lenina (for Feoktistov).
  2. Zaveduyushchiy 1-y tkatskoy fabrikoy kombinata "Vozhd' proletariata" (for Brekhov).
  3. Nachal'nik tkatskogo proizvodstva fabriki im.M.V.Frunze (for Simakin).
  4. Fabrika im. Frunze (for Kozlova, Nikonova).
  5. Zaveduyushchiy normativno-issledovatel'skoy laboratoriyey po trudu fabriki im. M.V.Frunze (for Chertkov).
  6. Zavedushchiy normativno-issledovatel'skoy laboratoriyey ramenskogo kombinata "Krasnoye Znamya" (for Slutskin).
- (Weaving)

CHERTKOV, L.

Work practice of the labor norm research laboratory attached to the  
M.V.Frunze Cotton Manufacturing Factory. Biul.nauch. inform.: trud  
i zar. plata 5 no.1:51-53 '62. (MIRA 15:2)  
(Moscow--Cotton manufacture)

CHERTKOV, I. P.

Transportation in the sixth five-year plan. Vop.ekon.no.7:14-31  
Jl '56. (Transportation) (MIRA 9:9)

CHERTKOV, L.P.  
~~\_\_\_\_\_~~

Progressive work methods in transportation and their economic effectiveness. Sets. trud no. 4:59-65 Ap '57. (MIRA 10:6)  
(Railroads)

Chertkov, L.P.

CHERTKOV, L.P.

Struggle of the Communist party to develop railroad transport.

Zhel.dor.transp. 39 no.11:12-20 N '57.

(MIRA 10:10)

(Railroads)

CHEKOV, L.P.

V.I.Lenin's views on courses of expansion in socialist  
transportation. Zhel.dor.transp. 42 no.4:3-10 Ap '60.  
(MIRA 13:7)

(Lenin, Vladimir Il'ich, 1870-1924)  
(Transportation)

CHERTKOV, L.P. (Moskva)

Principal trends in the development of transportation.

Izv. AN SSSR. Energ. i transp. no.5:576-580 S-0 '63.

(MIRA 16:11)

SHKVARTSEV, A.A.; ~~CHERTKOV~~, L.Ya.

New work organisation in the M.V.Frunze Spinning and Weaving Factory  
in Moscow. Izv.vys.ucheb.zav.; tekhn.tekst.prom. no.2:3-5 '60.  
(MIRA 13:11)

1. Moskovskiy tekstil'nyy institut i Moskovskaya pryadil'no-tkatskaya  
fabrika imeni M.V.Frunze.  
(Moscow—Textile industry—Management)

CHERTKOV, L.Ya.

Using mass photography in time and motion study. Tekst.prom. 20  
no.9:87-89 S '60. (MIRA 13:10)

1. Nachal'nik normativno-issledovatel'skoy laboratorii po trudn  
pri fabrike imeni Frunze.  
(Time study)

CHERTKOV, L.Ya.

Methods of maintenance and operation of automatic looms at the  
Frunze Factory. Tekst. prom. 21 no.6:13-14 Je '61.

(MIRA 15:2)

1. Nachal'nik normativno-issledovatel'skoy laboratorii po trudu  
pri fabrike imeni Frunze.

(Looms)

(Automatic control)

CHERTKOV, L.Ya.

Efforts made by textile industry enterprises to achieve economies and savings. Tekst. prom. 21 no.10:26-29 0 '61.

(MIRA 14:10)

1. Nachal'nik narrativno-issledovatel'skoy laboratorii po trudu pri Moskovskoy Khlopchatobumazhnoy fabrike imeni Frunze.

(Socialist competition)

(Textile industry)

STERLIN, Yefim Abramovich; POBEDIMSKIY, G.V., retsenzent; CHERTKOV, L.Ya.,  
retsenzent; ZAMAKHOVSKIY, L.I., spets.red.; KOPELEVICH, Ye.I.,  
red.; SHAPENKOVA, T.A., tekhn. red.

[Establishment of production norms in cotton spinning] Tekhnicheskoe  
normirovanie v khlopkopriadenii. Moskva, Izd-vo nauchno-tekhn.lit-ry  
RSFSR, 1961. 257 p. (MIRA 14:12)  
(Cotton manufacture—Production standards)

VASILEVSKIY, M.N., kand. tekhn. nauk; CHERTKOV, M.A., inzh.

Method of calculating a double-cage rotor of an induction motor for driving multirope hoisting machines. Izv. vys. ucheb. zav.; gor. zhur. 6 no.10:50-57 '63. (MIRA 17:2)

1. Giproniselektroshakht.

CHERTKOV, M.A., inzh.; KOGAN, E.L., inzh.

Effect of resistance control technique in the rotor circuit of an asynchronous electric motor on the power characteristics of the start process. Energ. i elektrotekh. prom. no.2:23-24 Ap-Je '64.

(MIRA 17:10)

VAS. LEVSKIY, M.N., kand. tekhn. nauk; CHERTKOV, M.A., inzh.

Operating temperature of an asynchronous motor with a double cage rotor in the drive of a multirope hoist. Izv. vys. ucheb. zav.: gor zhur. 7 no. 4: 142-146 '64. (MIRA 17:7)

1. Giproniselektroshakht.

CHERTKOV, M.A., inzh.

Calculation of the mechanical characteristic of the dynamic  
braking of asynchronous motors. Prom. energ. 19 no.12:32-34  
D '64. (MIRA 18:3)

L 13003-65 EWT(n)/EWP(t)/EWP(b) LJP(c) JD

ACCESSION NR: AR4046005

S/0058/64/C00/007/D058/D058

SOURCE: Ref. zh. Fizika, Abs. 7D458

AUTHORS: Voronov, I. N.; Distler, G. I.; Chertkov, M. P.;  
Chudakov, V. M.

TITLE: Investigation of birefringence in silicon crystals by the  
method of infrared polariscopy

CITED SOURCE: Sb. Metod fotoelektr. infrakrasn. polyariskopii i  
defektoskopii poluprovodnik. materialov. M., 1962, 22-27

TOPIC TAGS: silicon, single crystal, double refraction, polariscope,  
dislocation study, ir measurement

TRANSLATION: Birefringence patterns were investigated of single  
crystals of n-type silicon grown by the Czochralski method in vacuum  
and in an argon or helium atmosphere. Plates cut perpendicular and  
parallel to the crystal growth axis were investigated. The birefringence  
patterns were obtained with the aid of a PIK-1 scanning  
polariscope. The homogeneity of transmission of infrared radiation

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ACCESSION NR: AR4046005

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In the crystal plane, the dislocation density, and the minority carrier lifetime were also investigated. The values of the principal tangential stresses in the single crystal were investigated. A correlation is established between the values of the principal stresses in the crystal and the dislocation density or the minority carrier lifetime. The possibility of observing birefringence regions corresponding to screw-type impurity macro-inhomogeneity is demonstrated.

SUB CODE: SS, OP

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Card 2/2

SHILYAYEV, M.; PLAVIN, B., inzh.; CHERTKOV, N.; CHARKIN, P.; BURNAZYAN, G.;  
MIKHAYLIK, P.; GONCHAROV, A.; CHAPLIN, I., inzhener-tekhnolgo;  
KROPOTIN, N., starshiy tekhnolog

Around the country. Izobr.i rats. no.6:32-33. Je '59.

(MIRA 12:9)

1. Predsedatel' soveta Vsesoyuznoy organizatsii izobretateley i ratsionalizatorov stankostroitel'nogo proizvodstva, g.Izhevsk (for Shilyayev).
2. Tsentral'noye byuro tekhnicheskoy informatsii g.Vil'nyus (for Plavin).
3. Sekretar' soveta Vsesoyuznoy organizatsii izobretateley i ratsionalizatorov Adzharskoy ASSR, g.Batumi (for Chertkov).
4. Chlen Yaroslavskogo oblastnogo soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov (for Charkin).
5. Sekretar' Armyskogo respublikanskogo soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov, g.Yerevan (for Burnazyan).
6. Chlen prezidiuma L'vovskogo oblastnogo soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov (for Mikhaylik).
7. Predsedatel' zavodskogo soveta Vsesoyuznogo obshchestva izobretateley i ratsionalizatorov, g.Leningrad (for Goncharov).
8. Novo-Kramatorskiy mashinostroitel'nyy zavod, g.Kramatorsk (for Chaplin).
9. Izhevskiy mashinostroitel'nyy zavod, g.Izhevsk (for Kropotin).

(Efficiency, Industrial)

CHERTKOV, N.

Larceny. Izobr.i rats. no.8:55 Ag '60. (MIRA 13:7)

1. Sekretar' Adsharskogo oblastnogo soveta Vsesoyuznogo  
obshchestva izobretateley i ratsionalizatorov.  
(Sorting devices—Technological innovations)

CHERTOV, N.G.; AFANAS'YEV, S.A., inzh.

Continuous rail track on wooden ties. Put' i put.khoz. 6  
no.3:12 Mr '62. (MIRA 15:3)

1. Nachal'nik Borisovskoy distantzii Belorusskoy dorogi.  
(Railroads--Track)

ACC NR: AP6019042

(A)

SOURCE CODE: UR/0332/66/000/002/0036/0038

AUTHOR: Chertkov, N. I.; Vayshlya, M. I.

ORG: VNITZh

TITLE: Hermetic sealing of conveying equipment

SOURCE: Maslozhirovaya promyshlennost', no. 2, 1966, 36-38

TOPIC TAGS: conveying equipment, sealing device

ABSTRACT: The article illustrates several designs for the hermetic sealing of various types of conveying equipment. Figure 1 shows the details of a hermetically sealed belt conveyor.

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